

# AI Planning

## Exercise Sheet 6

Date: dd.11.2014

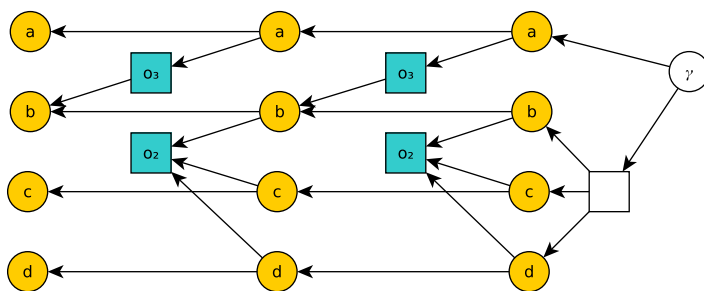
Students: Axel Perschmann, Tarek Saier

### Exercise 6.1

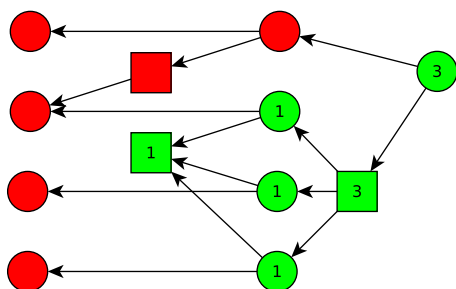
foo

### Exercise 6.2

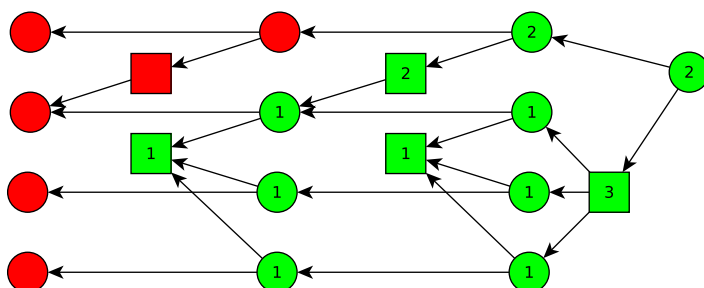
Relaxed planning graph with depth 3. (Sparse labeling due to technical restrictions.)



Depth 2,  $h_{add}(s) = 3$

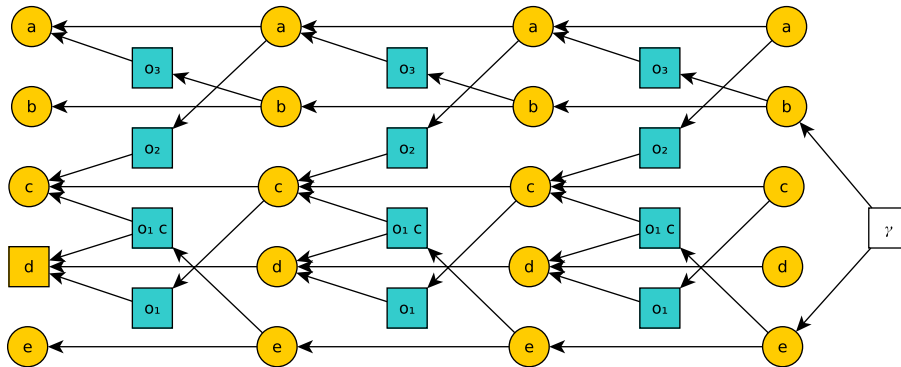


Depth 3,  $h_{add}(s) = 2$

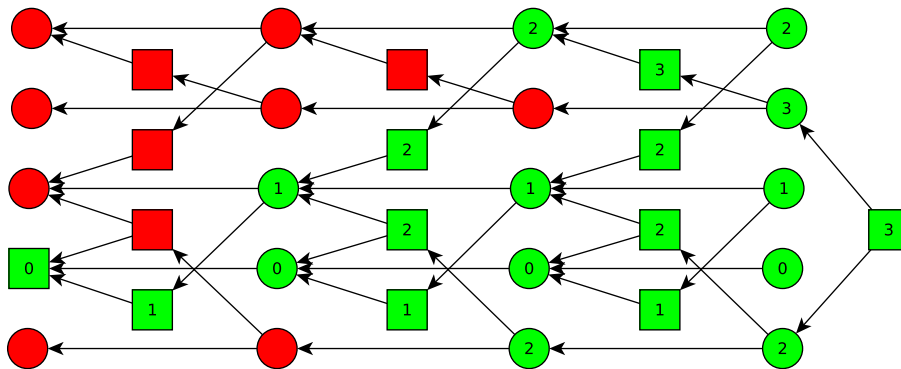


### Exercise 6.3

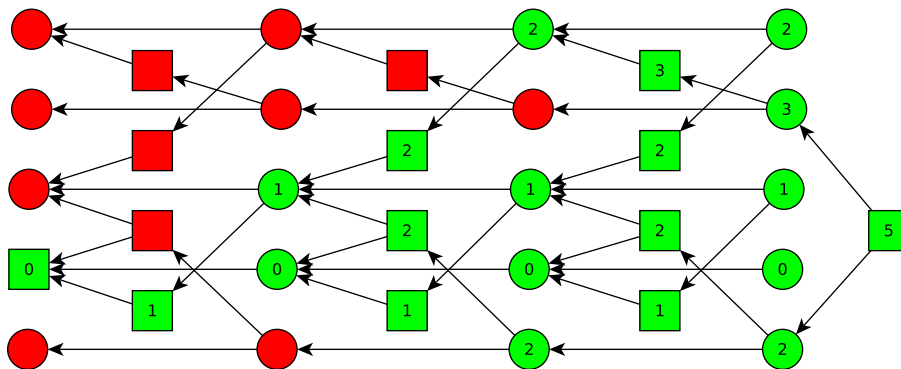
Relaxed planning graph with depth 3. (Sparse labeling due to technical restrictions.)



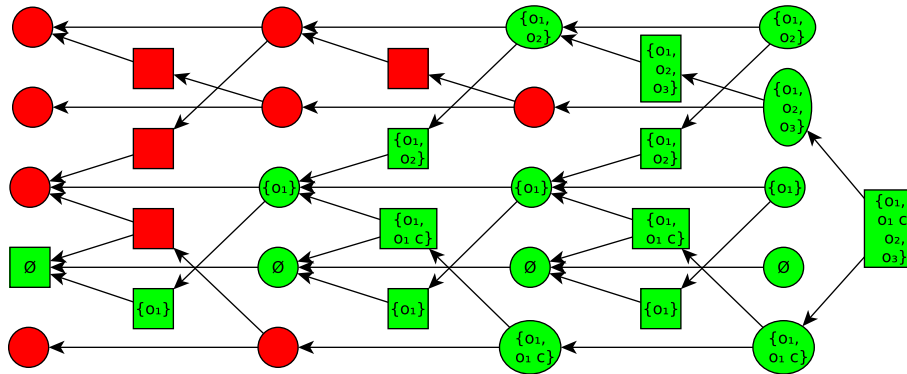
(a)  $h_{max}(s) = 3$



(b)  $h_{add}(s) = 5$



(c)  $h_{sa}(s) = 4$



(d)  $h_{FF}(s) = 4$

